



2018 Summer Preparedness

Illinois Commerce Commission

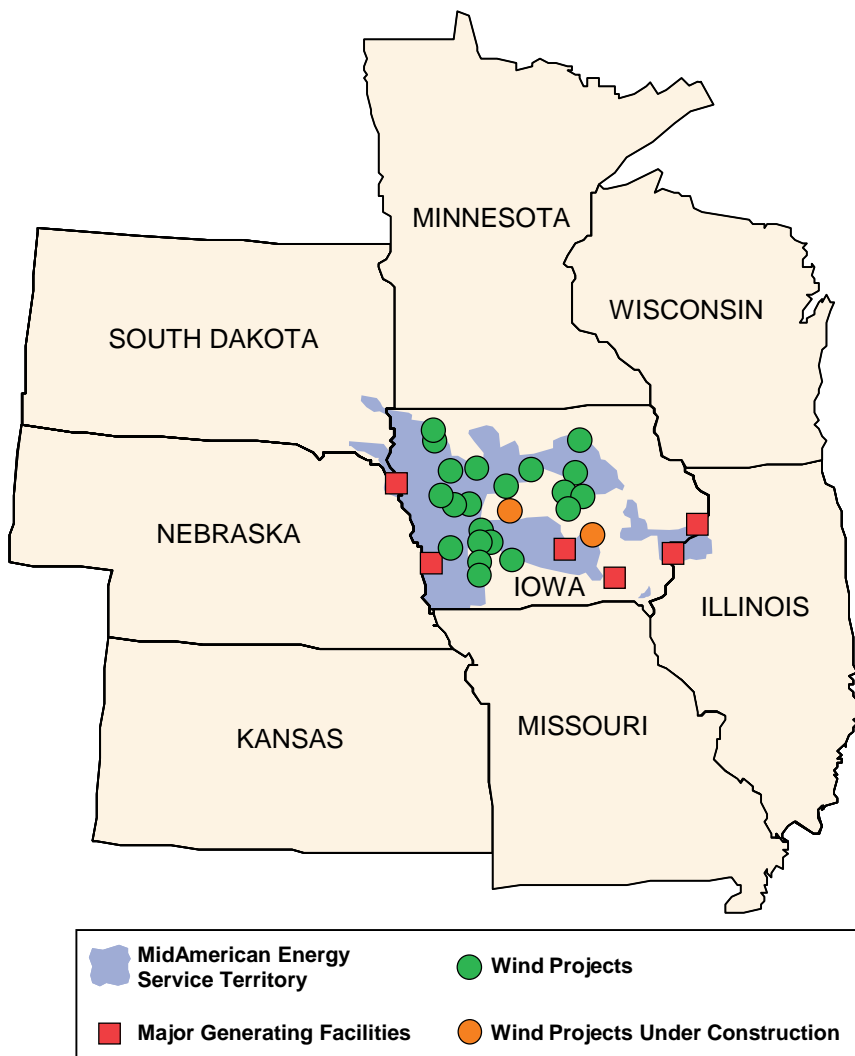
May 10, 2018





- Overview of MidAmerican Energy
- Demand and Capability
- Transmission System
- Vegetation Management
- Storm Preparedness/Customer Communication
- Energy Efficiency

MidAmerican Energy Company Overview



- Headquartered in Des Moines, Iowa
- 3,300 employees
- 1.6 million electric and natural gas customers in four Midwestern states
 - Approximately 85,000 electric and 66,000 natural gas customers in Illinois
- Illinois service territory is in the Quad Cities and surrounding areas
- 387 MW of owned power capacity allocated to Illinois
- Remainder of resources needed to serve Illinois load acquired through Illinois Power Agency procurement process

Summer Peak Coverage



- Sufficient capacity to meet the summer 2018 forecast
 - MISO capacity auction procured a small portion of Illinois requirement

Year	Forecast	Peak Load (MW)	Capacity Resources (MW)	Reserve Margin (%)	Reserve Margin Requirement (MW)	Capacity Excess of Load	Capacity Excess of Requirement (MW)	DR + Customer Gen (MW)
2018	MidAmerican system, normal weather	4,873	5,677	16%	5,189	804	487	325
2018	MidAmerican system, extreme weather	5,005	5,677	13%	---	672	---	325
2018	MidAmerican-Illinois, normal weather	458	396	-14%	492	(62)	(96)	9

- 2017 actual and all-time peak

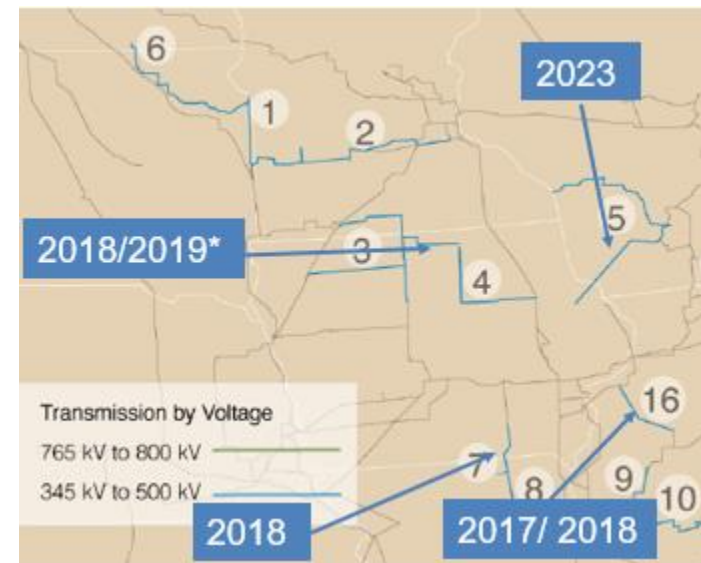
Year	Historical	Peak Load	Capacity Resources	Capacity Excess of Load
	MidAmerican 2017 actual and 2017 all-time peak: July 19, 2017	4,850	5,687	837

* Pre-auction capacity resource values for delivery year June 2018 through May 2019

Transmission Loading



- MidAmerican Energy expects its system to perform well
 - No facilities are expected to load above their rating for normal system conditions or single contingency events
 - Operating procedures prepared for certain double contingency events
 - MISO congestion management tools and transmission loading relief
- Significant MISO Multi-Value Project (MVP) transmission expansion underway or completed, improving Iowa import/export capabilities
 - MVP16 Iowa to Illinois
 - Quad Cities to Galesburg March 2017
 - Galesburg to Peoria February 2018
 - MVP3/MVP4 within Iowa
 - *MidAmerican Energy portions completed 2016 & 2017
 - MVP7/MVP8 Iowa to Missouri
 - MVP5 Iowa to Wisconsin



Vegetation Management



- Three-year trim cycle for distribution system clearances
- Annual electric transmission inspection and remediation
- The top ten 2017 scheduled circuits, relative to tree-related outages, were identified and patrolled with identified concerns remediated prior to storm season
 - 9.9% of Illinois customer outage minutes in 2017 were tree-related (excludes major storm events)
 - 7.4% of Illinois customer outage minutes in 2017 were tree-related (includes major storm events)
- Website and spring/fall bill insert safety messages

Check for power lines

- ▼ Before trimming a tree, check carefully for nearby power lines. If you find one, contact MidAmerican Energy at 888-427-5632 before you proceed. Touching a power line with a tool or tree branch can cause a shock or start a fire.

Don't trim trees near power lines

- ▼ Only licensed, qualified tree trimmers are allowed to work near high-voltage lines. Don't risk it yourself!



Submit Tree Trimming Request

Storm Preparedness and Outage Communications



- Local and remote storm centers opened, new state-of-the-art incident command center in Des Moines
- *Who to Call* information and safety provided in key messages
- Radio, television and online/digital, live interviews, real-time advertising, website Outage Watch
- Mutual assistance, Berkshire Hathaway Energy and Grid Assurance
- Computer-Aided Dispatching to improve routing and streamline communications; enables outage watch
- Direct email notifications and updates (~75% of customers) and proactive text updates with enrollment

**MidAmerican**
ENERGY
OBSESSIVELY. RELENTLESSLY. AT YOUR SERVICE.

Outage Update


Below is the most recent update regarding your power outage or issue. We will continue to provide updated information as soon as it becomes available.

Address Number(s): 2230 APT 4
Start Time: 02:01 p.m. 9/21/2017
Customers Impacted: 16
Crew Status: Working
Estimated Time of Restoration: 06:00 p.m. 9/21/2017
Cause: a weather related event

Select [pause](#) if you no longer want to receive updates for this issue. Updates will resume if future issues occur.

Thank you,
MidAmerican Energy Company

 888-427-5632

Please do not reply directly to this email.
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MidAmerican Outage Watch



Report an
Outage

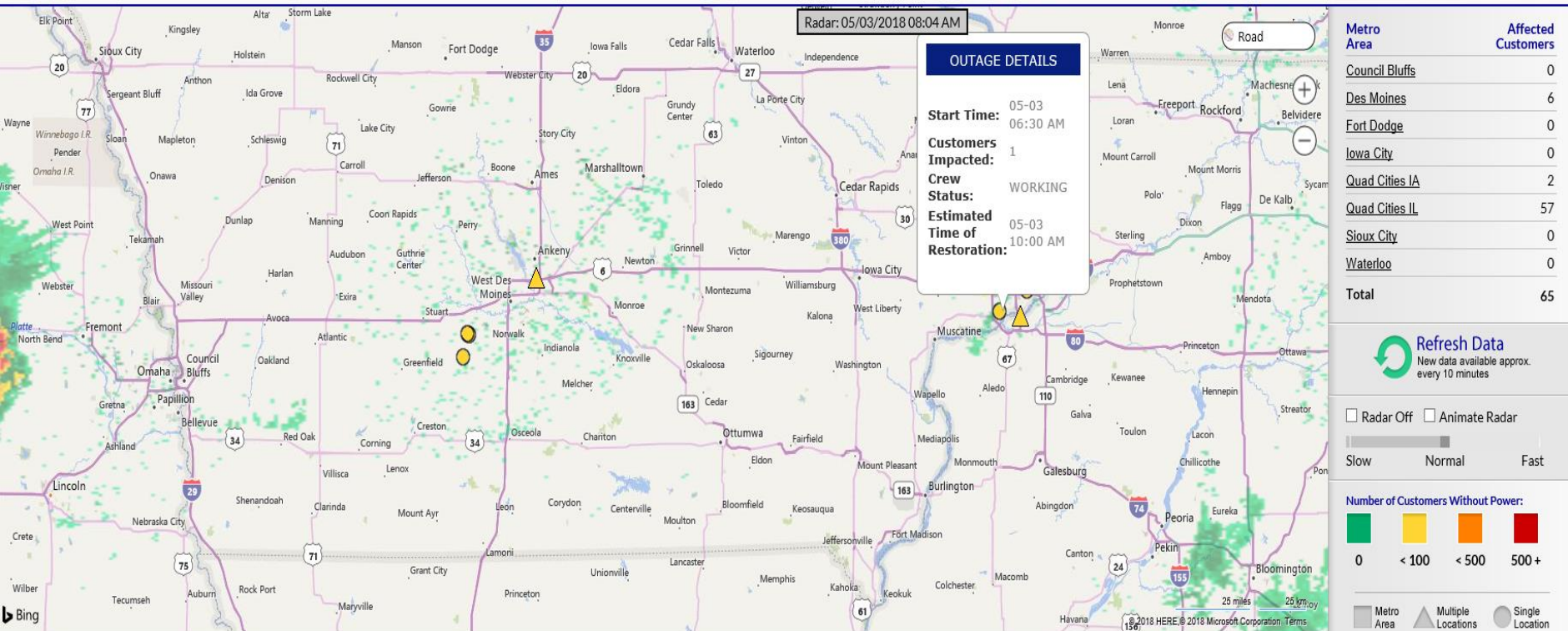
Map City County Alerts

Caution: Stay far away from downed power lines.

For more outage details,

zoom in on the map or select from the City, County and Alerts tabs. Last Updated: 05-03 08:04 AM.

Rectangular Snap



888-427-5632



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Radar provided by:

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Energy Efficiency



- MidAmerican Energy is focused on “right sizing” energy efficiency programs to provide robust energy efficiency programs for customers, while keeping more money in customers’ pockets
 - Filed plan at the Iowa Utilities Board in 2017 to align energy efficiency plan with this strategy
- Legislation recently passed in Iowa to place caps on the size of energy efficiency and demand response plans
- MidAmerican Energy assessing legislation – plans to refile plan consistent with legislation
- Illinois energy efficiency plans have typically followed Iowa template

